

1 **What is claimed is:**

2 1. A cork device comprising:

3 a cork member (2) comprising a lower end (2a) to be inserted into a
4 mouth (10) of a bottle (1) and an upper end (2b), the lower end (2a) of the
5 cork member including a liquid passage (23), the liquid passage having a
6 lower end (231) communicated with an interior of the bottle (1) and an
7 upper end (230); and

8 a control member (3) pivotally mounted to the upper end (2b) of the
9 cork member (2) and movable between a sealing position and an open
10 position, the control member (3) including a liquid outlet passage (35);

11 wherein the upper end (230) of the liquid passage (23) of the cork
12 member (2) is blocked by the control member (3) when the control
13 member (3) is in the sealing position; and

14 wherein the upper end (230) of the liquid passage (23) of the cork
15 member (2) is communicated with atmosphere via the liquid outlet
16 passage (35) when the control member (3) is in the open position.

17 2. The cork device as claimed in claim 1, wherein the lower end (2a) of the
18 cork member (2) further comprises an air passage (24) spaced from the
19 liquid passage (23), the air passage (24) including a lower end (241)
20 communicated with the interior of the bottle (1) and an upper end (240);

21 wherein the upper end (240) of the air passage (24) of the cork
22 member (2) is blocked by the control member (3) when the control
23 member (3) is in the sealing position; and

24 wherein the upper end (240) of the air passage (24) of the cork
25 member (2) is communicated with atmosphere when the control member
26 (3) is in the open position.

- 1 3. The cork device as claimed in claim 2, wherein the control member (3)
2 further comprises an air inlet passage (36) for communicating the upper
3 end (240) of the air passage (24) of the cork member (2) with atmosphere
4 when the control member (3) is in the open position.
- 5 4. The cork device as claimed in claim 3, wherein the air inlet passage (36)
6 of the control member (3) includes a first end (362) selectively
7 communicated with the upper end (240) of the air passage (24) of the cork
8 member (2) and a second end branching into two branches each having an
9 air inlet (360) communicated with atmosphere.
- 10 5. The cork device as claimed in claim 4, wherein each said air inlet (360) of
11 the control member (3) has a diameter smaller than that of the second end
12 (350) of the air outlet passage (35) of the control member (3).
- 13 6. The cork device as claimed in claim 1, wherein the upper end (2b) of the
14 cork member (2) comprises two opposed sidewalls (26) having aligned
15 pivotal holes (260), the control member (3) including two pivotal
16 members (31) respectively on two opposed sides thereof, each said pivotal
17 member (31) being pivotally received in an associated one of the pivotal
18 holes (260) of the cork member (2).
- 19 7. The cork device as claimed in claim 6, wherein each said sidewall (26)
20 includes a guide groove (261) for guiding an associated one of the pivotal
21 members (31) into an associated one of the pivotal holes (260).
- 22 8. The cork device as claimed in claim 6, wherein the upper end (2b) of the
23 cork member (2) further includes a connecting bottom wall (29) connected
24 between the sidewalls (260), thereby defining a space for pivotally
25 receiving a lower end of the control member (3), the upper end (230) of
26 the liquid passage (23) being defined in the connecting bottom wall (29).

- 1 9. The cork device as claimed in claim 8, wherein the connecting bottom
2 wall (29) is arcuate.
- 3 10. The cork device as claimed in claim 8, wherein the connecting bottom
4 wall (29) includes a sealing ring (250) surrounding the upper end (230) of
5 the liquid passage (23) of the cork member (2).
- 6 11. The cork device as claimed in claim 9, wherein the lower end of the
7 control member (3) includes an arcuate bottom face (320) for sealing the
8 upper end (230) of the liquid passage (23) of the cork member (2) when
9 the control member is in the sealing position.
- 10 12. The cork device as claimed in claim 11, wherein the liquid passage (35) is
11 defined in the lower end (32) of the control member (3).
- 12 13. The cork device as claimed in claim 6, wherein the control member (3)
13 includes a stop (33), and wherein the connecting bottom wall (29) includes
14 an end edge (27) against which the stop (33) abuts when the control
15 member is in the sealing position.
- 16 14. The cork device as claimed in claim 6, wherein the control member (3)
17 includes a stop (34), and wherein the connecting bottom wall (29) includes
18 an end edge (28) against which the stop (34) abuts when the control
19 member is in the open position.
- 20 15. The cork device as claimed in claim 14, wherein the control member (3)
21 includes a second stop (34), and wherein the connecting bottom wall (29)
22 includes a second end edge (28) against which the second stop (34) abuts
23 when the control member is in the open position.
- 24 16. The cork device as claimed in claim 1, wherein the control member (3)
25 includes a stop (33), and wherein the cork member (2) includes an end

1 edge (27) against which the stop (33) abuts when the control member is in
2 the sealing position.

3 17. The cork device as claimed in claim 1, wherein the control member (3)
4 includes a stop (34), and wherein the cork member (2) includes an end
5 edge (28) against which the stop (34) abuts when the control member is in
6 the open position.

7 18. The cork device as claimed in claim 17, wherein the control member (3)
8 includes a second stop (34), and wherein the cork member (2) includes a
9 second end edge (28) against which the second stop (34) abuts when the
10 control member is in the open position.
11